

Product Code: PAO0100, PAO0150, PAO0220, PAO320, PAO0460,

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SARGEAR SYNTH PAO LUBRICANTS are a range of full synthetic gear and bearing oils utilising Group IV polyalphaolefin technology to offer outstanding performance under severe operating conditions. Designed for significantly improved load carrying ability, excellent wear and rust protection, with a high viscosity index, high flash point, low pour point, and outstanding oxidative stability for cleaner systems and compatibility with stringent Wind Turbine Specifications.

APPLICATIONS

- Filled for life gearboxes
- Low temperature applications
- Plain and rolling element bearings
- Oil circulation systems
- Remote applications where oil changes are difficult to access
- ISO 220 and 320 grades extensively tested to meet the performance requirements of wind turbine applications

BENEFITS

- Excellent oxidation and thermal stability, extending lubricant life
- Classed as inherently biodegradable
- High load carrying capability
- Seal and paint compatibility
- Wide temperature range performance of -50°C to + 180°C depending on grade

TYPICAL PROPERTIES

SARGEAR SYNTH PAO – ISO VISCOSITY GRADE	68	100	150	220	320	460	680
Appearance	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Kinematic Viscosity @ 40°C – cSt (ASTM 4451)	68	101	149	218	322	458	680
Viscosity Index (ASTM D2270)	135	138	136	135	134	133	140
Pour Point, °C, (ASTM D97)	-43	-42	-42	-40	-40	-36	-24
Flash Point, C.O.C., °C, (ASTM D92)	210	220	227	233	246	247	250
Foaming (ASTM D892) – After Setting Sequence 1	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Foaming (ASTM D892) – After Setting Sequence 2	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Copper Corrosion (ASTM D130)	1b	1b	1b	1b	1b	1b	1b
Biodegradability % (ISO 9439)	>60	>60	>60	>60	>60	>60	>60
FZG Gear Test Stage	12	13	13	13	13	13	13

HEALTH & SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.